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| FACULTY: | Department of Mechanical Engineering |
| FIELD OF STUDY: | Transport |
| ERASMUS COORDINATOR OF THE FACULTY: | Dr hab. inż. Agnieszka Kułakowska, Prof. PK |
| E-MAIL ADDRESS OF THE COORDINATOR: | agnieszka.kulakowska@tu.koszalin.pl |
| COURSE TITLE: | Material science II |
| LECTURER'S NAME: | Prof. dr hab inż. Krzysztof Rokosz |
| E-MAIL ADDRESS OF THE LECTURER: | krzysztof.rokosz@tu.koszalin.pl |
| COURSE CODE (USOS): | 2S |
| ECTS POINTS FOR THE COURSE: | 2 ECTS |
| ACADEMIC YEAR: | 2024/2025 |
| SEMESTER: (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 |
| LEVEL OF THE COURSE: (1 st cycle, 2 nd cycle, 3 rd cycle) | 1 st cycle |
| TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?) | Laboratory |
| LANGUAGE OF INSTRUCTION: | <ul style="list-style-type: none"> • English full time scheme for classes with 5 and more international Erasmus+ students enrolled/accepted; • English 50% individually with the teacher + Polish 50% with Polish students or individual project work-scheme for classes with less than 5 international Erasmus+ students enrolled/ accepted; |
| ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Written exam |
| COURSE CONTENT: | <ol style="list-style-type: none"> 1. Study of structure and mechanical properties of the armco iron after crushing and recrystallization 2. Microscopic examination of iron and iron alloys 3. Microscopic examination of non-ferrous metals and their alloys 4. Investigating the effect of heat treatment on the structure of tool steel 5. Testing the strength of ceramics on flexural strength 6. Study on mechanical properties of thermosetting polymers |
| ADDITIONAL INFORMATION: | |

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